EXECUTIVE SUMMARY

This Analytical Data Report (ADR) presents a summary of physical and analytical data collected during field sampling efforts within Operable Units (OUs) 5 and 12, located at Hill Air Force Base (Hill AFB), Utah. Data presented in this ADR were collected between 27 March 2001 and 15 February 2002 as part of the ongoing Remedial Investigation/Feasibility Studies (RI/FS) for OUs 5 and 12. At the time of this data collection, OUs 5 and 12 consisted of the northwest region of Hill AFB and comprise soil and groundwater beneath the Tooele Army Rail Shop (TARS), the Zone 16 Complex (the restricted areas in the vicinity of the 1600 series buildings), the former Wastewater Treatment Plant area, and off-Base areas beneath the cities of Sunset, Clinton, and Roy, where contaminated groundwater has migrated from on-Base sources.

Various field investigation programs were conducted for the OUs 5 and 12 RI/FS process, including monitoring well installation and sampling, Cone Penetration Testing (CPT) and direct-push groundwater sampling, soil-gas sampling, and residential sampling. The field and analytical results associated with these field programs are documented in this ADR. Additionally, an updated plume map and time series plots (both based on data collection under this program) are provided and briefly discussed. A conceptual model report for OUs 5 and 12 will follow this ADR, summarizing and interpreting the findings of the 2001 RI/FS investigation.